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Research & Development Projects for Agriculture in Saskatchewan

Canada/Saskatchewan Subsidiary Agreement on Agriculture Development.
An initiative under the Canada/Saskatchewan Economic and Regional Development Agreement (ERDA)

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INTRODUCTION

The Agricultural Sub-Agreement is part of the Canada/Saskatchewan Economic and Regional Development Agreement, commonly called ERDA.

It is a five-year agreement (from 1984 to 1989) funded by the governments of Canada and Saskatchewan. The federal government, through Agriculture Canada, and the provincial government, through Saskatchewan Agriculture, will each contribute a maximum of $30 million over the five-year period.

The ERDA sub-agreement fosters practical research, and demonstration or educational projects that are designed to improve the profitability and the future viability of Saskatchewan's most important industry -- agriculture.

Every project has been designed by producers or in response to needs expressed by producers and others in the agri-food sector. These projects will emphasize efficiency because of the importance of remaining competitive in today's tough agricultural markets.

Whether it is a farm management or safety seminar, a livestock pregnancy checking demonstration, field trials for improved canola varieties, or an attempt to penetrate the gourmet food market with Saskatchewan wild rice or native berry products, ERDA is farmers, researchers, government staff, processors and suppliers working together to assure farming's long-term future in Saskatchewan.

The following is a list and a brief description of the ERDA activities taking place throughout Saskatchewan's agricultural industry. This list also shows the cost of each project and whether it is funded by Agriculture Canada (shown as F) or Saskatchewan Agriculture (shown as P).

If you are interested in receiving more information about the ERDA agreement, feel free to contact:

Mr. Bernie Ward
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Telephone: 787-5206

Information about a specific project can also be obtained from the contact person shown for each project.

September 1988
Regina, Saskatchewan

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
CROPS					
Winter Wheat Production Technology 1.1-1					
A detailed study of all aspects of winter wheat production that will lead to production recommendations suitable for Saskatchewan conditions.	Dr. B. Fowler	966-4946	Crop Development Centre University of Saskatchewan	$3,375,000 (Ongoing)	(F)
Canola Hybrid Breeding 1.1-2					
To develop new higher-yielding canola hybrids suited to production in Saskatchewan and to demonstrate the benefits of sulphur fertilization on sulphur deficient soils	Dr. K. Downey	975-7014	Agriculture Canada Research Station (Saskatoon)	$ 762,400 (Ongoing)	(F)
Semi-Dwarf Wheat 1.1-3					
To develop appropriate crop production practices for growing semi-dwarf wheat under Saskatchewan conditions.	Dr. J. Clarke	773-4621	Agriculture Canada Research Station (Swift Current)	$1,307,500 (Ongoing)	(F)
Bloat Safe Alfalfa Study 1.1-4					
To develop a variety of alfalfa that does not cause animals to bloat.	Dr. B. Goplen	975-7014	Agriculture Canada Research Station (Saskatoon)	$ 210,000 (Ongoing)	(F)
Agronomy Study of Saskatchewan Soils 1.1-5					
To develop appropriate crop production practices that will increase cereal, oilseed and special crop yields	Dr. H. Steppuhn	773-4621	Agriculture Canada Research Station (Swift Current)	$1,174,500 (Ongoing)	(F)
Physiology of Salt Tolerance 1.1-6					
To determine why some plants are more salt tolerant than others	Dr. B. Harvey	966-4944	University of Saskatchewan	$ 400,000 (Ongoing)	(P)
Acarine Mite and Honeybee Overwintering 1.1-7					
To test whether the acarine mite that has affected honeybees in the USA overwinters in Saskatchewan.	J. Gruszka and D. Pear	953-2790	Saskatchewan Beekeepers' Association	$ 84,800 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Horticulture Development 1.1-3 To develop varieties suitable for Saskatchewan conditions and enhance horticulture production	C. Stushnoff	966-5859	University of Saskatchewan	$ 710,000 (Ongoing)	(P)
Potato Starch 1.1-9 To conduct yield and quality trials of potato varieties grown for starch	C. Stushnoff	966-5859	Saskatchewan Vegetable Marketing Commission	$ 9,200 (Complete)	(P)
Variable Rate Fertilizer 1.1-10 To evaluate a system of soil testing, mapping and application of a variable rate of fertilizer depending upon the requirements	B. Bens	244-9166	Agro-Tech Systems Inc., Saskatoon	$ 56,300 (Complete)	(P)
Selection & Evaluation of Improved High Yielding Spring Wheat with Soft White and Triple "A" Qualities 1.1-11 Support for breeding work	L. Song	343-8294	Saskatchewan Wheat Pool	$ 201,100 (Ongoing)	(P)
Underground Garden 1.1-12 To examine the feasibility of using underground space in a potash mine for growing various plant species	B. Taylor	933-8815	Potash Corporation of Saskatchewan	$ 58,300 (Complete)	(P)
Lentil Desiccation 1.1-14 To evaluate compounds that show potential for use as a desiccant for lentils	K. Kirkland	247-2011	Agriculture Canada Experimental Farm (Scott)	$ 20,000 (Ongoing)	(P)
Sulphur Fertilization 1.1-15 To study how sulphate fertilizer affects Century field pea yields, and protein content and determine optimal application methods	J. Faurie	569-4411	Saskatchewan Wheat Pool	$ 8,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Red Lentil Development 1.1-16					
To develop a red cotyledon lentil variety similar in yield and performance to the yellow cotyledon Eston lentil	Dr. A. Slinkard	966-4978	University of Saskatchewan	$ 13,500 (Ongoing)	(P)
Stability of GLA and EPA 1.1-17					
To study using enzymatic interesterification to improve the stability and shelf life of fish and vegetable oils	Dr. A McCurdy	966-5034	University of Saskatchewan	$ 10,000 (Ongoing)	(P)
Durum Screening 1.1-18					
To collect and evaluate wild emmer and other exotic durum wheat lines to determine their suitability to dryland conditions	Dr. S. Jana	966-4952	University of Saskatchewan	$ 31,500 (Ongoing)	(P)
Growing Green Peas Under Dry Conditions 1.1-19					
To test new, more drought resistant pea varieties under low moisture conditions in Saskatchewan	Dr. A. Slinkard	966-4978	University of Saskatchewan Saskatoon	$ 6,900 (Ongoing)	(P)
Using Wild Lentils in Lentil Breeding 1.1-20					
To gain a better understanding of how the wild relatives of the lentil are related to the cultivated lentil	Dr. G. Scoles	966-4957	University of Saskatchewan Saskatoon	$ 13,600 (Ongoing)	(P)
Development of Quinoa 1.1-21					
To develop quinoa varieties suitable for Western Canadian conditions and those with superior salt tolerance abilities	Dr. J. Kernan	966-5446	Saskatchewan Research Council	$ 30,000 (Ongoing)	(P)
Spray Technology 1.2-1					
To develop technologies that will increase the efficiency of pesticide application and thereby reduce costs to producers.	Dr. R. Grover	780-7400	Agriculture Canada Research Station (Regina)	$ 785,000 (Ongoing)	(F)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Control of Scentless Chamomile 1.2-2					
To develop ways of using cultural, biological and chemical means to control scentless chamomile.	Dr. G. Bowes	780-7400	Agriculture Canada Research Station (Regina)	$ 229,000 (Ongoing)	(F)
Control of Sunflower Insects 1.2-3					
To develop technology for controlling insects in sunflowers	Dr. A. Arthur	975-7014	Agriculture Canada Research Station (Saskatoon)	$ 159,000 (Ongoing)	(F)
MCPA Tolerant Lentils 1.2-5					
Develop a lentil variety resistant to MCPA herbicide	Dr. A. Slinkard	966-4978	Saskatchewan Pulse Crop Development Board	$ 15,000 (Ongoing)	(P)
Alternate Glyphosate 1.2-6					
To determine the feasibility of producing a product in Saskatchewan identical to "Roundup"	H. Yung and W. Yung	725-4882	Yung Brothers Strasbourg, Saskatchewan	$ 25,000 (Ongoing)	(P)
Safe Level of Ascochyta for Lentil Seed 1.2-7					
To determine if practical tolerances for Ascochyta in lentil seed can be established for Western Canada.	Dr. R. Morrall	966-4410	Saskatchewan Pulse Crop Development Board	$ 4,600 (Complete)	(P)
Grasshopper Management: Crop Resistance 1.2-8					
To develop control strategies for grasshoppers by breeding natural resistance into crops	Dr. C. Hinks	975-7014	Agriculture Canada Research Station (Saskatoon)	$ 138,000 (Ongoing)	(F)
Ascochyta in Peas 1.2-9					
To study how ascochyta affects pea yields, determine the resistance of certain varieties and evaluate fungicides used for control	Dr. W. Berkenkamp	752-2776	Agriculture Canada Research Station (Melfort)	$ 5,000 (Ongoing)	(P)
Weevil Control in Red Clover 1.2-10					
To study weevil damage to red clover and develop effective control methods	Dr. C. Gillott	966-4401	University of Saskatchewan	$ 5,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Canola Potential in Saskatchewan 1.3-1					
To demonstrate current and new technology to increase average yields by 25% in 1989	E. Bendig	752-5576	Saskatchewan Canola Growers Association	$ 500,000 (Ongoing)	(P)
Forage Crop Research & Demonstration Program 1.3-2					
To provide incentives to forage associations or district boards for forage research and demonstration projects	D. Gayton	787-7712	Saskatchewan Agriculture	$ 96,000 (Ongoing)	(P)
Minimum and Zero Tillage 1.3-3					
To study the economics of minimum and zero tillage	H. Furtan	966-4009	University of Saskatchewan	$ 34,500 (Complete)	(P)
Natural Herbicides and Growth Inhibitors in Canola and Sweet Clover 1.3-4					
Can canola and sweet clover be used in crop rotations to control weeds	Dr. E. Coxworth	933-5410	Saskatchewan Research Council	$ 32,800 (Ongoing)	(P)
Intensive Cereal Management (ICM) 1.3-5					
To examine the potential and practical application of ICM in wheat production	D. Hinz	586-3866	Western Canadian Wheat Growers Association	$ 30,000 (Complete)	(P)
Cooking Quality of Lentils 1.3-6					
To examine the cooking quality of several lentil varieties	R. Bhatty	966-4907	Saskatchewan Pulse Crop Development Board	$ 21,900 (Ongoing)	(P)
Lentil Innoculation Study 1.3-7					
To improve lentil nitrogen fixation and yield potential by selecting strains better suited to Saskatchewan conditions	E. Brenner	966-6833	University of Saskatchewan	$ 5,000 (Complete)	(P)
Phosphorus Placement & Row Spacing in Field Peas 1.3-9					
To examine how field pea yields are affected by different placement/spacing combinations on various soil types.	Dr. T. Wright	752-2776	Saskatchewan Pulse Crop Development Board	$ 15,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Precise Farm Navigation & Night Spraying 1.3-10					
To demonstrate using a navigation system to reduce spraying costs through a lower application rate and elimination of overlap	G. Schwartz R. Palmer	789-4481	Accutrack Systems Ltd. Regina	$ 25,000 (Ongoing)	(P)
Starter Nitrogen & Rhizobial Interaction 1.3-11					
To study the interaction of starter nitrogen and rhizobial strain in lentils under prairie conditions	D. Jaques	586-7006	Saskatchewan Pulse Crop Development Board	$ 3,400 (Ongoing)	(P)
Drying & Ventilation of Lentils 1.3-12					
To study methods of drying and ventilating lentils under prairie conditions	D. Jaques	586-7006	Saskatchewan Pulse Crop Development Board	$ 18,000 (Ongoing)	(P)
Pulse Domestic Market Evaluation Study 1.4-1					
To conduct market research on consumer attitudes toward pulse products	D. Jaques	586-7006	Saskatchewan Pulse Crop Development Board	$ 22,400 (Complete)	(F)
Dehydrated Alfalfa Brochure 1.4-2					
To produce a general brochure that can be used to market dehydrated alfalfa cubes and pellets	D. Pulkinen	873-4760	Canadian Dehydrators Association	$ 5,100 (Complete)	(F)
Dehydrated Alfalfa Slide-Tape Promotion 1.4-3					
To produce a slide-tape presentation in English and Japanese to be used as a sales and promotion tool	D. Pulkinen	873-4760	Canadian Dehydrators Association	$ 4,000 (Complete)	(F)
International Dehy Technical Booklet 1.4-4					
To help produce a technical booklet designed to develop offshore markets for dehydrated alfalfa pellets and cubes	D. Pulkinen	873-4760	Canadian Dehydrators Association	$ 3,400 (Complete)	(F)
Agribition Mini-Food Fair 1.4-5					
To work with Canadian Western Agribition in the establishment of a Mini-Food Fair	V. Hedford	565-0565	Canadian Western Agribition	$ 3,000 (Complete)	(F)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Canola Oil Sales to the United States 1.4-6					
To undertake a market development program with potential U.S. canola oil customers	M. Pickard	244-1335	CSP Foods Ltd. Saskatoon	$ 28,500 (Complete)	(F)
Wild Oat Processing 1.4-7					
To improve processing efficiency and product quality of wild oats which are processed for the health food and livestock feed markets.	C. Werner	924-2285	Can Mar Grains Inc. Regina	$ 64,500 (Complete)	(F)
Enzymatic Interesterification of Canola Oil 1.4-8					
To develop an enzyme process to interesterify canola oil with a fully hydrogenated oil from palm, sunflower or canola stearine	Dr. A. McCurdy	966-5034	University of Saskatchewan	$ 16,700 (Complete)	(P)
Native Berry Picking and Marketing 1.4-9					
To promote Northern Saskatchewan berry production and market development	J. Heestad	953-2770	SIAP Marketing Company Inc. Prince Albert	$ 60,000 (Ongoing)	(P)
Prairie Malt Technical Brochure 1.4-10					
To produce a technical booklet that will enhance Prairie Malt's marketing program	A. Prester	948-3305	Prairie Malt Ltd. Biggar	$ 13,500 (Complete)	(F)
Wild Rice Council Food Pacific 86 1.4-11					
To provide assistance to the Wild Rice Food Council to attend Food Pacific 86	J. Heestad	953-2770	Saskatchewan Wild Rice Council	$ 4,200 (Complete)	(F)
Nature Berry Market Development 1.4-12					
To establish contacts with wholesalers, retailers and restauranteurs to develop markets for specialty berry products produced in Northern Saskatchewan	E. Keller	425-3005	Nature Berry Inc., La Ronge	$ 7,000 (Complete)	(F)
Food Fair 86 1.4-13					
To support the second year of Agribition's Mini-Food Fair	V. Hedford	565-0565	Canadian Western Agribition	$ 3,000 (Complete)	(F)

PROJECT PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST (1993-94)	FUNDED BY
Chlorophyll in Canola 1.4-14 To review current scientific literature to obtain information on chlorophyll in canola and its removal by processing and agronomic influences	B. Cooper	343-4878	Saskatchewan Canola Growers Association	$ 4,000 (Complete)	(F)
Prairie Malt Translation 1.4-15 To translate the market development brochure into Chinese, Japanese and Spanish to increase market penetration	A. Presber	948-3305	Prairie Malt Limited Biggar	$ 5,500 (Complete)	(F)
Food & Beverage Industry Directory 1.4-16 To design and establish a computer database for an updated Saskatchewan Food & Beverage Industry Directory	C. Bock	975-5279	Canadian Institute of Food Science & Technology Saskatoon	$ 5,500 (Complete)	(F)
Forage Seed Shipment 1.4-17 To provide assistance for a first shipment of forage seed to China with the objective of opening a new market	F. Rempel	362-4678	Newfield Seeds Ltd. Nipawin	$ 1,600 (Complete)	(F)
Saskatchewan Pasta Plant Market Study 1.4-18 To determine the market development potential and viability of an expandable dry pasta processing plant in Saskatchewan	M. Montgomery	(514) 274-5464	F. L. International Trading Co. Ltd, Montreal	$ 29,000 (Ongoing)	(F)
Honey Marketing 1.4-19 To undertake new domestic and export market development initiatives for Canadian honey and help solve current pricing/marketing problems	D. Valleau	362-4094	Saskatchewan Beekeepers' Association	$ 10,600 (Ongoing)	(F)
Pulse Crop Awareness Progra 1.4-20 To establish food industry contacts and distribute information about pulse to food professionals and consumers to increase awareness of domestically grown pulse crops	G. Simpson	693-2132	Saskatchewan Pulse Crop Development Board	$ 14,300 (Ongoing)	(F)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Food Pacific '88: Nature Berry 1.4-21					
To provide assistance to Nature Berry Inc. to attend Food Pacific 88	E. Keller	425-3005	Nature Berry Inc. LaRonge	$ 2,200 (Ongoing)	(F)
Honey/Fruit Blends 1.4-22					
To develop honey and fruit blends using honey and fruit produced in Saskatchewan	J. Polsen	652-7708	Northern Delights Inc. Saskatoon	$ 45,000 (Ongoing)	(P)
Lake Diefenbaker, Grain Processing 1.4-23					
To study the feasibility of developing an integrated grain processing facility in the Lake Diefenbaker, area	Dr. J. Scott	584-1708	M.A.I. Holdings Inc. Regina	$ 75,000 (Ongoing)	(P)
Market Challenges '89 1.4-24					
To provide a forum for exchange of ideas on agricultural and food marketing; potential market opportunities and how to target commercial markets	J. Hannan	780-7174	Saskatchewan Association of Agricultural Societies and Exhibitions (SAASE)	$ 15,000 (Ongoing)	(F)
Northern Vigour Seed Potato Production 1.4-25					
To investigate why seed potatoes produced in northern latitudes result in a higher yielding commercial potato crop	Dr. I. Stushnoff	966-5859	University of Saskatchewan	$ 10,000 (Ongoing)	(F)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY

LIVESTOCK

Bull Weight "Let Down"
2.1-1

To document the relationship between changes in body weight and the fertility of two-year old beef bulls

Dr. W. Cates | 966-7145 | Western College of Veterinary Medicine, Saskatoon | $ 34,900 (Complete) | (F)

Oestrus Study
2.1-2

To determine if the use of short-term steroid treatments can maintain the desired calving interval for beef cows

Dr. J. Manns | 966-7347 | Western College of Veterinary Medicine, Saskatoon | $ 34,000 (Complete) | (F)

Management Studies to Increase Sow Fertility
2.1-3

To develop new, economically viable ways to improve the reproductive ability of commercial swine operations on the Prairies

P. Thacker | 966-4128 | Prairie Swine Centre University of Saskatchewan | $ 232,000 (Ongoing) | (F)

Pregnancy Checking Promotion
2.1-4

To promote the value of pregnancy testing for improved productivity of cow-calf operations

H. Cook | 780-5158 | Agriculture Canada (FFRA) | $ 150,000 (Ongoing) | (F)

Ovascan Evaluation
2.1-5

To evaluate the efficiency of electronic heat detection for Saskatchewan dairy herds

Dr. D. Christensen | 966-4152 | University of Saskatchewan | $ 11,000 (Complete) | (F)

Reproductive Data Collection
2.1-6

To develop a computer data collection system to monitor the reproductive status of each sector of the livestock industry

A. Hingston
L. Greenberg | 787-4694
787-4693 | Saskatchewan Agriculture | $ 90,000 (Ongoing) | (P)

Embryo Cryogenics
2.1-7

To conduct a series of five experiments to determine factors affecting the survival of bovine embryos during freezing

Dr. R. Mapletoft | 966-7145 | Western College of Veterinary Medicine, Saskatoon | $ 250,000 (Ongoing) | (P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Pregnancy Checking Promotion 2.1-8					
To promote the value of pregnancy checking for improved productivity of cow-calf operations	R. Donald	787-5191	Saskatchewan Agriculture	$ 31,100 (Ongoing)	(P)
Game Farming Information 2.1-9					
To produce an information manual and organize field days and training seminars for game farmers	Dr. J. Haigh	966-7145	Western College of Veterinary Medicine, Saskatoon	$ 48,100 (Ongoing)	(P)
Feeder Cattle Performance Testing 2.1-10					
To demonstrate the importance of the feedlot industry highlighting performance and market development	K. MacDonald	695-2157	Saskatchewan Feeder Cattle Association	$ 134,400 (Ongoing)	(P)
Somatostatin-Autoimmunization 2.1-11					
To improve somatostatin immunization methods with subsequent evaluation in lambs, swine, beef and dairy cattle	Dr. B. Laarveld	966-4150	University of Saskatchewan	$ 159,000 (Ongoing)	(P)
Electronics for Heat Detection 2.1-12					
To develop a pressure sensitive electronic device which could be implanted and used to record estrus events	Dr. R. Sander	966-5084	Western College of Veterinary Medicine, Saskatoon	$ 39,400 (Ongoing)	(F)
Chromosome Abnormalities in Cattle 2.1-13					
To determine if chromosomal abnormalities are a significant cause of abortion in Saskatchewan cattle	Dr. P. Flood	966-7407	Western College of Veterinary Medicine, Saskatoon	$ 50,000 (Ongoing)	(P)
Pathophysiology of Testicle Size in Bulls 2.1-14					
To determine the correlations between scrotal circumference measurements in yearling ROP beef bulls of different breeds and other indicators of fertility	Dr. M. Cates	966-7145	Western College of Veterinary Medicine, Saskatoon	$ 60,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Pig Development in the '90s 2.1-15 To research and develop a superior breeding animal forced to the limit of its own growth performance capabilities without compromise to structural abnormalities and longevity	E. Johnson	949-4141	Northern Pig Development Co. Ltd. Regina	$ 750,000 (Ongoing)	(P)
Improved Reproduction in Gilts 2.1-16 To study ways of inducing first estrus in gilts and develop methods to predict the early onset of estrus and even fertility in young developing gilts	Dr. N. Rawlings	966-7257	Western College of Veterinary Medicine, Saskatoon	$ 88,300 (Ongoing)	(P)
Chromosome Translocation in Cattle 2.1-17 To determine if chromosomal translocation causes abortion or reduced fertility	Dr. S. Schmutz	966-7427	University of Saskatchewan	$ 40,000 (Ongoing)	(P)
Incidence of Translocations in Beef Bulls 2.1-18 To determine if certain breeds of cattle are particularly susceptible to chromosomal translocations or if it is restricted to the subfertile group	Dr. S. Schmutz	966-7427	University of Saskatchewan	$ 39,000 (Ongoing)	(P)
Computer Conformation Data 2.1-19 To develop a computer-based system for measuring the shape, angularity and size of cattle	Dr. P. Greenough	966-7272	Western College of Veterinary Medicine, Saskatoon	$ 60,000 (Ongoing)	(P)
Melfort Forage Handling Study 2.2-1 To improve beef nutrition by developing better systems for harvesting, preserving and using forage	Dr. S. Beacom	752-2776	Agriculture Canada Research Station (Melfort)	$ 411,900 (Ongoing)	(F)
Swift Current Grazing Study 2.2-2 To minimize feed costs by using adapted varieties and improved grazing management of pastures	Dr. N. Holt	773-4621	Agriculture Canada Research Station (Swift Current)	$ 400,000 (Ongoing)	(F)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Livestock Nutrition Technology Transfer 2.2-3					
To promote the use of the Saskatchewan Feed Testing Laboratory	V. Racz	966-5620	Saskatchewan Feed Testing Laboratory	$ 245,000 (Ongoing)	(F)
Bull Performance Test Centre 2.2-4 and 2.2-5					
To upgrade and expand this facility and provide operating funds to enhance its genetic improvement efforts	L. Bezan	949-0066	Saskatchewan Beef Cattle Performance Association	$ 577,300 (Ongoing)	(F)
Near Infared Analysis of Feeds 2.2-6					
To calibrate a near infared analyzer to Saskatchewan feedstuffs	V. Racz	966-5620	Saskatchewan Feed Testing Laboratory	$ 194,200 (Ongoing)	(P)
Chaff Ammoniation 2.2-7					
To investigate the ammoniation of uncovered chaff	Dr. J. Kernan	933-5400	Saskatchewan Research Council	$ 8,300 (Complete)	(P)
Using Canola Chaff for Feed 2.2-8					
To investigate the feed value of canola chaff	Dr. J. Kernan	933-5400	Saskatchewan Research Council	$ 11,400 (Complete)	(P)
Ammoniated Flax and Wheat Residues 2.2-9					
To determine if flax and wheat residues can be ammoniated to form a maintenance ration	Dr. J. Kernan	933-5400	Flax Growers Association of Western Canada	$ 79,100 (Complete)	(P)
Improving the Agronomics and Feed Value of Kochia 2.2-10					
To investigate different varieties of kochia and how growing conditions affect its feed value	Dr. E. Coxworth	933-5410	Saskatchewan Research Council	$ 189,300 (Complete)	(P)
Thermo-ammoniation Systems for Livestock Feed 2.2-11					
To undertake a nutritional and economic analysis of livestock feeds produced using a thermo-ammoniation unit	B. Porter	(204) 233-7133	Westeel Agricultural Products Winnipeg	$ 8,000 (Complete)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Water Quality Improvement 2.2-12					
To research improvement of farm water by removing sulphates	Dr. D. Christensen	966-4152	University of Saskatchewan	$ 100,000 (Ongoing)	(P)
Dairy Production and Feed Evaluation 2.2-13					
To develop improved dairy cattle feeding rations	Dr. D. Christensen	966-4152	University of Saskatchewan	$ 140,000 (Ongoing)	(P)
Investigation of Cultivars and Ammoniation Conditions 2.2-14					
To evaluate residues of new cereal cultivars for feed value and response to ammoniation	Dr. J. Kernan	933-5400	Saskatchewan Research Council	$ 17,500 (Ongoing)	(P)
Feed Test Lab Support 2.2-15					
To promote the use of the Saskatchewan Feed Laboratory and provide support during its transition to full cost recovery	V. Racz	966-5620	Saskatchewan Feed Testing Lab Saskatoon	$ 30,000 (Ongoing)	(P)
Swine Nutrition Guide 2.2-16					
To prepare a practical guide to swine Nutrition, using the nutritional content of local feeds	Dr. J. Patience	966-4169	University of Saskatchewan	$ 26,500 (Ongoing)	(P)
Trace Elements in Ruminants 2.2-17					
To study the metabolism of trace minerals and their interaction in cattle and other ruminants	Dr. D. Christensen	966-4152	University of Saskatchewan	$ 31,000 (Ongoing)	(P)
Effect of Drinking Water on Pork Production 2.2-18					
To study swine health and performance problems associated with poor quality drinking water	Dr. J. Patience	966-4169	Prairie Swine Centre University of Saskatchewan	$ 50,000 (Ongoing)	(P)
Novel Approaches to Swine Diet Formulation 2.2-19					
To use commonly fed swine diets in Saskatchewan to evaluate the effect of electrolyte balance on pig performance	Dr. J. Patience	966-4169	Prairie Swine Centre University of Saskatchewan	$ 137,600 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
ROP Swine Test Station 2.2-20					
To promote the benefits of ROP testing and encourage increased producer participation in the program	L. Zimmer	757-6133	Saskatchewan Livestock Association	$ 10,000 (Ongoing)	(P)
Effect of Anhydrous Ammonia on Feed Barley 2.2-21					
To study the potential of anhydrous ammonia and urea in improving the feeding value of high moisture barley and wheat for cattle	Dr. D. McCartney	752-2776	Agriculture Canada Research Station (Melfort)	$ 37,000 (Ongoing)	(P)
Ammoniation of Rough Awned Chaff 2.2-22					
To study how ammoniation affects the intake and feed value of rough awned and non-awned cereal chaff	Dr. J. Kernan	933-5446	Saskatchewan Research Council	$ 10,000 (Ongoing)	(P)
Swine Housing 2.3-1					
To study environmental factors in commercial swine barns and their effects on swine health and performance	Dr. E. Barber	966-5310	University of Saskatchewan	$ 345,000 (Ongoing)	(F)
Black Fly Control 2.3-2					
To develop and test new or improved methods of controlling black flies	C. Mulligan	787-2045	Saskatchewan Agriculture	$ 22,300 (Complete)	(P)
Insecticide Treatment Station 2.3-3					
To study the effectiveness of the forced use treatment station as a practical approach to controlling biting flies in beef herds	C. Mulligan	787-2045	Saskatchewan Agriculture	$ 13,600 (Complete)	(P)
Control of Chalkbrood & Other Fungal Problems In Leafcutter Bees 2.3-4					
To study control methods that will increase the survival of leafcutter bees	R. Harperger	745-2777	Saskatchewan Alfalfa Producers Association	$ 60,000 (Complete)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Dairy Management, Housing & Physical Characteristics of Dairy Cattle 2.3-5					
To improve the management and efficiency of dairy herds through computerized record keeping	Dr. D. Christensen	966-4152	University of Saskatchewan	$ 160,000 (Ongoing)	(P)
Blackfly '86 2.3-6					
To develop black fly control methods for use along the Saskatchewan River	D. Lanskuhl	374-1561	Boisnevists Consulting Ltd., Saskatoon	$ 60,000 (Complete)	(P)
Self-Treatment Insecticide Station for Black Fly Control 2.3-7					
To demonstrate methods of black fly control to producers and community pasture patrons	G. D'Bertos	873-2693	Saskatchewan Agriculture	$ 23,400 (Ongoing)	(P)
Devices to Measure Relative Humidity 2.3-8					
To develop and test a device for measuring relative humidity in dusty barns	Dr. E. Barber	966-5310	University of Saskatchewan	$ 7,000 (Complete)	(P)
Ventilation Controllers in Barns 2.3-9					
To study the performance of electronic and electromechanical controllers used in livestock barn ventilation systems	M. Jorgenson	682-5033	Prairie Agricultural Machinery Institute, Humboldt	$ 25,100 (Complete)	(P)
Energy Analysis of Broiler Chicken Barns 2.3-10					
To identify and prioritize factors that affect and/or predict energy use in poultry barns	M. Bantle	244-4228	Bantle Engineering Research Saskatoon	$ 19,000 (Ongoing)	(P)
Passive Control Air Inlet System Design 2.3-12					
To develop guidelines for the design and manufacture of a passively controlled air inlet system for hog barns	M. Bantle	244-4228	Bantle Engineering Research Saskatoon	$ 10,000 (Ongoing)	(P)
Chalkbrood in Leafcutter Bees 2.3-13					
To study chalkbrood and other fungi that infect leafcutter bees and develop effective control methods	B. Weighill	768-3360	Saskatchewan Alfalfa Seed Producers' Association	$ 80,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Anaplasmosis Study 2.4-1					
To study anaplasmosis in Southern Saskatchewan to determine if the disease is now edemically established	Dr. J. Saunders	966-7210	Western College of Veterinary Medicine, Saskatoon	$ 28,700 (Complete)	(F)
Livestock Facility & Pasture Management 2.4-2					
To provide modern livestock handling facilities in several community pastures	S. Lauder	787-5041	Saskatchewan Agriculture	$ 109,500 (Ongoing)	(P)
Testing New Immunoculators and Adjuvants 2.4-3					
To investigate infectious diseases in food producing animals	Dr. S. Acres	966-7465	Veterinary Infectious Diseases Organization (VIDO)	$ 200,000 (Ongoing)	(P)
Productivity & Reproductive Performance of Herds in Northeast Saskatchewan 2.4-4					
A herd health program in RM #394	L. Purves	865-2691	R.M. of Hudson Bay #394	$ 63,500 (Ongoing)	(P)
Shipping Fever Innoculation 2.4-5					
To test the effectiveness of a B.V.D. vaccine	Dr. F. Weeks	228-2491	Unity Veterinary Clinic	$ 3,500 (Complete)	(P)
Swine Herd Technology Transfer 2.4-6					
To establish an educational and information exchange mechanism for pork producers	J. Morris	653-3014	Saskatchewan Pork Producers Marketing Board	$ 180,000 (Ongoing)	(P)
Overwintering Survival of Anaplasmosis 2.4-9					
To determine if ticks act as an overwinter host for anaplasmosis	Dr. J. Saunders	966-7210	Western College of Veterinary Medicine, Saskatoon	$ 52,300 (Ongoing)	(F)
Beef Upgrading Management Program 2.4-10					
To produce a beef management manual for use in a pilot project that will demonstrate the the value of good management systems	Dr. P. Rempel	787-6423	Saskatchewan Agriculture	$ 176,800 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Hoof & Limb Conformation Evaluation 2.4-11					
To determine how hoof & limb conformation affects cattle performance	Dr. P. Greencugh	966-7249	Western College of Veterinary Medicine, Saskatoon	$ 13,000 (Complete)	(P)
Shipping Fever/Scours Vaccines 2.4-12					
To improve the effectiveness of vaccines for some types of shipping fever and calf scours	Dr. S. Acres	966-7465	Veterinary Infecticus Diseases Organization	$ 268,000 (Ongoing)	(F)
Shipping Fever Complex 2.4-13					
To conduct field tests to study the effectiveness of two new types of shipping fever vaccine	Dr. F. Weeks	228-2491	Unity Veterinary Clinic	$ 7,300 (Ongoing)	(P)
North Saskatchewan Beef Demonstration 2.4-14					
To support technology transfer between associations and producers	Dr. B. Allen	764-6998	Prince Albert Beef Producers' Association	$ 67,000 (Ongoing)	(P)
Herd Health of Game Farms 2.4-15					
To study the effects of two vaccines to combat disease in various deer species on Saskatchewan game farms	Dr. J. Haigh	966-7171	Saskatchewan Game Farmers Association	$ 50,500 (Ongoing)	(P)
Diarrhoea Outbreak Investigations 2.4-16					
To investigate diarrhoea outbreaks in calves and piglets to determine the responsible virus	Dr. P. Durham	966-7249	Western College of Veterinary Medicine, Saskatoon	$ 15,000 (Ongoing)	(P)
Respiratory Diseases in Feedlot Calves 2.4-17					
To determine the costs and benefits of mass treatment of cattle with injectable antibiotics or other drugs upon arrival in a commercial feedlot	Dr. E. Janzen	966-7157	Western College of Veterinary Medicine, Saskatoon	$ 11,400 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Tracheal Mite Research 2.4-18					
To determine the effect of tracheal mite infestation on overwintered honeybee colonies	D. Peer	953-2790	Saskatchewan Beekeepers Association	$ 64,900 (Ongoing)	(P)
Saskatchewan Regional Shepherd Program 2.4-19					
To support a technology transfer program including on-farm training and technical assistance that helps sheep producers improve their flock management practices	J. Kral	933-5200	Saskatchewan Sheep & Wool Marketing Commission	$ 32,000 (Ongoing)	(P)
Glycinate in Beef Cattle 2.4-20					
To determine the value of adding copper supplements to the diet of pregnant beef cows	Dr. M. Saart	966-7100	Western College of Veterinary Medicine, Saskatoon	$ 105,800 (Ongoing)	(P)
Genetic Improvement Systems for Beef 2.4-21					
To develop and test a computer program that could be used to correlate an animal's conformation with its genetic improvement potential	Dr. P. Greenough	966-7269	Western College of Veterinary Medicine, Saskatoon	$ 15,500 (Complete)	(P)
Bovine Respiratory Diseases 2.4-22					
To use newly developed biotechnology to study certain bovine respiratory diseases	Dr. C. Doige	966-7281	Western College of Veterinary Medicine, Saskatoon	$ 45,000 (Ongoing)	(P)
VIDO Vaccine Research 2.4-23					
To test immunogenicity and protective capacity of bovine herpes virus-1 glycoproteins expressed in baculovirus	Dr. S. van den Hurk	966-7487	Veterinary Infectious Disease Organization, (VIDO)	$ 25,000 (Ongoing)	(P)
Disease Survey in Elk 2.4-24					
A survey to determine incidence of disease and the health status of domestic elk herds in Saskatchewan	Dr. A. MacIssac	734-2552	Manota	$ 19,100 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Bovine Respiratory Disease 2.4-25					
To monitor the change in antibody levels in cattle exposed to certain viruses involved in respiratory diseases	Dr. P. Durnam	966-7249	Western College of Veterinary Medicine, Saskatoon	$ 41,700 (Ongoing)	(P)
Vaccination against Somatostatin 2.4-26					
To determine optimal dosage and frequency of injection; the optimal polar frequency of expression of somatostatin; the optimal levels of inclusion of muramyl dipeptide (MDT) and monophosphoryl lipid A	Dr. B. Laarveld	966-4160	Western College of Veterinary Medicine, Saskatoon	$ 27,400 (Ongoing)	(P)
Treating Grain Overload in Cattle 2.4-27					
To assess the effectiveness of certain drugs in treating grain overload in cattle	Dr. Critchlow	966-7333	Western College of Veterinary Medicine, Saskatoon	$ 54,300 (Ongoing)	(P)
Continuing Education for Veterinarians 2.4-28					
To identify needs and develop a plan to improve continuing education programs available to Saskatchewan veterinarians	Dr. R. Kelly	955-7862	Saskatchewan Veterinary Medical Association	$ 2,000 (Ongoing)	(P)
Disease Resistance in Cattle 2.4-29					
To develop techniques to detect genetic polymorphism of complement protein which plays a major role in resistance to certain infectious diseases of cattle	Dr. H. Yanel	966-7221	Western College of Veterinary Medicine, Saskatoon	$ 31,200 (Ongoing)	(P)
Dietary Sulphur/Thiamine Deficiency 2.4-30					
To establish available thiamine requirements and to evaluate thiamine deficiency in the presence of dietary sulphur for Saskatchewan cattle	Dr. C. Rousseaux	966-7294	Western College of Veterinary Medicine, Saskatoon	$ 25,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Disease Investigation Unit 2.4-31					
To develop an investigation unit which will establish where and why livestock productivity losses occur and to identify priority areas for research	Dr. E. Janzen	966-7294	Western College of Veterinary Medicine, Saskatoon	$ 40,000 (Ongoing)	(P)
Semen Studies: Elk, Bison and Deer 2.4-72					
To develop techniques for semen collection, freezing, and transfer for elk, bison and deer	Dr. J. Haigh	966-7171	Manitoba Farms	$ 20,000 (Ongoing)	(P)
Wildlife Disease Study 2.4-77					
To develop disease profiles on game animals in North America	R. Clark	546-4974	Saskatchewan Game Farmers	$ 20,000 (Ongoing)	(P)
Genital Infection in Heifers 2.4-74					
To study the immune response in beef heifers to genital tract infections cause by ureaplasma diversum and to determine if vaccination is effective in prevention	Dr. J. Saunders	966-7211	Western College of Veterinary Medicine, Saskatoon	$ 42,900 (Ongoing)	(P)
Irrigated Sheep Pasture 2.5-1					
To determine if intensive sheep management along with irrigated forage production can produce a reasonable return to the producer	J. Kral	933-5200	Saskatchewan Sheep & Wool Marketing Commission	$ 96,900 (Ongoing)	(P)
New Pasture & Grazing Methods (MILE) 2.5-2					
To conduct forage trials to demonstrate the effectiveness of new grassland management techniques	M. Pyle	787-5691	Saskatchewan Agriculture	$1,051,000 (Ongoing)	(P)
Preconditioned Feeder Progra 2.6-1					
To encourage increased participation by cattle producers in the Saskatchewan Certified Preconditioned Feeder Progra	Dr. P. Greenough	966-7269	Saskatchewan Veterinary Medical Association	$ 4,500 (Complete)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION *	COST/LENGTH	FUNDED BY
Preconditioning Program 86 2.6-2 To provide support for a second year of the preconditioned feeder program	Dr. D. Allen	966-7271	Saskatchewan Veterinary Medical Association	$ 56,500 (Complete)	(P)
Lamb Marketing Study 2.6-3 To identify lamb marketing opportunities in Saskatchewan and develop strategies to penetrate and expand these markets	J. Koal	933-5200	Saskatchewan Sheep and Wool Marketing Commission	$ 40,000 (Complete)	(P)
Horse Industry Study 2.6-4 To profile the Saskatchewan horse industry and identify opportunities or constraints to future development	B. Hanson	787-5035	Agriculture Development Corporation of Saskatchewan	$ 30,000 (Complete)	(P)
Market Opportunities for Saskatchewan Beef 2.6-5 To identify the changing needs of consumers as they apply to beef through the development of differentiated products to meet the needs of the user	G. McLaughlin	567-4411	Saskatchewan Wheat Pool	$ 75,000 (Ongoing)	(P)
Hereford Display Centre 2.6-6 To support development of a display facility and accompanying advertising to help promote Hereford cattle	C. Palmer	826-5542	EIL Ranch Ltd.	$ 24,500 (Ongoing)	(P)
Preconditioned Feeders '88 2.6-7 To regularize producers for promoting the sale of preconditioned calves in Saskatchewan to increase the number of calves processed and sold	Dr. D. Pulfer	933-7962	Saskatchewan Veterinary Medical Association	$ 44,000 (Ongoing)	(P)
Game Meat Marketing Study 2.6-8 To profile the Saskatchewan game meat industry and identify opportunities or constraints to future development	M. Hainstock	966-4952	Saskatchewan Game Farmers Association	$ 23,700 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Pork Industry Development Centre 2.6-9					
To assess the merits of establishing a Saskatchewan Pork Industry Development Centre and the provision of direct consultations between producers and specialists	Mr. J. Morris	653-3014	Saskatchewan Pork Producers Marketing Board	$ 3,000 (Ongoing)	(P)
The 'Bullatin' 2.6-10					
To prepare a working manual and reference guide for the beef industry to improve the genetics and management of commercial bulls	Dr. G. Hamilton	757-6133	Saskatchewan Livestock Association	$ 4,500 (Ongoing)	(P)
Feeding/Utilization Study 2.6-11					
To determine the effectiveness of feeding wet distilled grains to beef cattle in a commercial feedlot	B. Wilderman	365-4281	Poundmaker Feeders Ltd. Lanigan	$ 30,000 (Ongoing)	(P)
Milk Based Replacement Products 2.6-12					
To determine the market and technical feasibility of producing milk-based infant formula and adult enteral meal replacement products	G. Pedersen	924-1300	Dairy Producers Co-operative Ltd. Regina	$ 50,000 (Ongoing)	(P)
Pork Industry Development Centre 2.6-13					
To study the feasibility of establishing a Pork Industry Development Centre	J. Morris	653-3014	Saskatchewan Pork Producers Marketing Board, Saskatoon	$ 15,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
SOILS					
Soil Conservation & Management 3.1-1					
To reduce soil degradation problems by providing an on-farm soil conservation service and increasing public awareness of the need for soil conservation	S. Luciuk	780-5164	Agriculture Canada (PFRA)	$8,000,000 (Ongoing)	(F)
Soil Conservation Mapping 3.1-2					
To complete a soil resource data base for Saskatchewan which can be used to improve soil conservation efforts in the province	Dr. D. Acton	975-4061	Saskatchewan Soil Survey Unit, University of Saskatchewan	$1,500,000 (Ongoing)	(F)
Soil Survey 3.1-3					
To complete a soil resource data base for Saskatchewan which can be used to improve soil conservation efforts in the province	Dr. D. Acton	975-4061	Saskatchewan Soil Survey Unit	$1,000,000 (Ongoing)	(P)
Soil Fertility: Sulphur & Micronutrients 3.1-4					
To determine soil and plant needs for sulphur and other micronutrients by developing an improved soil test for sulphur	D. Tomasiewicz	966-6890	Saskatchewan Soil Testing Laboratory, University of Saskatchewan	$ 300,000 (Ongoing)	(P)
Fertilizer Placement 3.1-5					
To conduct field trials to demonstrate the importance of effective fertilizer placement in extended crop rotations	J. Harapiak	(403) 279-1212	Western Co-operative Fertilizers Ltd., Calgary	$ 60,000 (Complete)	(P)
Extended Crop Rotations & Conservation Tillage Project 3.1-6					
To demonstrate the profitability of extended rotations and the value of conservation tillage	B. Kennedy	924-1500	Hoechst Canada Ltd. Regina	$ 410,700 (Ongoing)	(P)
Conservation Farming 3.1-7					
To support a "Conservation Farming Practices" program conducted in District 6	L. Koturbash	695-2263	District #6 Agricultural Extension Board, Indian Head	$ 30,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Effect of Herbicide Stress in Field Peas and Lentils 3.1-9					
To study the effects of herbicides on micro-organisms associated with legume roots	Dr. J. Germida	966-6836	Saskatchewan Pulse Crop Development Board	$ 10,600 (Ongoing)	(P)
Save Our Soils 3.1-9					
To promote soil and crop management practices for controlling wind and water erosion, soil salinity and declining organic matter levels	J. Moen	787-5217	Saskatchewan Agriculture	$ 500,000 (Ongoing)	(P)
Soil Conservation & Extended Rotations 3.1-10					
To initiate and manage a soil fertility research program in east central Sask and to help create awareness of the importance of effective fertilizer application in making extended crop rotations practical and profitable	J. Harapiak	(403) 279-1212	Western Co-operative Fertilizers Ltd., Calgary	$ 88,000 (Ongoing)	(P)
Tillage Material Selection 3.1-11					
To select and evaluate a range of materials for tillage machinery and create a database for material selection for different soils	Dr. S. Sholo	584-4630	University of Regina	$ 8,300 (Ongoing)	(P)
Rotations and Organic Matter 3.1-12					
To evaluate the effects of different cropping systems have on the tilth and nutrient content of soil	Dr. D. Anderson	966-6853	University of Saskatchewan	$ 18,500 (Ongoing)	(P)
Soil Conservation Through Extended Rotations 3.1-13					
To support the third year of a soil fertility field research program in east central Sask	J. Harapiak	(403) 279-1212	Western Co-operative Fertilizers Ltd., Calgary	$ 72,000 (Ongoing)	(P)
VA Mycorrhizal Symbiosis in Saskatchewan Field Crops 3.1-14					
To identify VAM fungii and investigate conditions under which symbiosis produces maximum availability of phosphorus and several micronutrients for crops	Dr. J. Germida	966-6836	University of Saskatchewan	$ 93,100 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
East Central Soil Conservation 3.1-15					
To demonstrate the profitability of extended rotations and the value of conservation tillage in East-Central Saskatchewan	D. Struthers	786-1304	Hoechst Canada Inc. Yorkton	$ 166,600 (Ongoing)	(P)
Soil Salinity Research 3.2-1					
To investigate the causes of soil salinity by tracing groundwater movement	L. Henry	966-6856	University of Saskatchewan	$1,000,000 (Ongoing)	(P)
Evaluation of the Conserva-pak Seeding System 3.2-2					
To conduct engineering research, evaluation and further development of seeding equipment for use in a conservation or zero tillage operation	J. Halford	695-2460	Vale Farms Ltd., Indian Head	$ 30,000 (Complete)	(P)
Snow Management & Meltwater Infiltration 3.2-3					
To study the benefits of snow management and meltwater infiltration	Dr. M. Nicholaichuk	975-5750	National Hydrology Research Institute, Saskatoon	$ 405,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
IRRIGATION					
Group Irrigation Projects 4.1-1					
To organize and develop new or enlarged on-farm irrigation works involving groups of farmers	A. Lukey	780-5119	Agriculture Canada (PFRA)	$2,000,000 (Ongoing)	(F)
Individual Irrigation Development Grants 4.2-1					
To promote irrigation on Saskatchewan farms by providing financial assistance for on-farm irrigation development	G. Gross	867-3925	Saskatchewan Agriculture Outlook	$8,000,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
HUMAN RESOURCES					
Computer Training for Farmers 5.1-1					
To increase computer knowledge among farmers and show the value of computers as a management tool	G. Blackmore	949-9393	Settler Computer Technologies Regina	$ 17,900 (Complete)	(P)
Farm Safety Workshops for Women 5.1-2					
To encourage women to take an active role in promoting safety on the farm	R. Rowley	757-3197	Saskatchewan Safety Council	$ 140,000 (Ongoing)	(F)
Feedstuffs Information Data Base for Saskatchewan Feeds 5.1-3					
To develop a computerized feedstuffs information data base for Saskatchewan feeds	Dr. D. Christensen	966-4128	University of Saskatchewan	$ 270,000 (Ongoing)	(F)
Canola Marketing Review 5.1-4					
To prepare, publish and distribute a review of marketing canola and canola products	B. Cooper	343-6878	Saskatchewan Canola Growers Association	$ 25,000 (Ongoing)	(P)
Farm Computerization Survey 5.1-5					
To conduct market research to determine the extent of computer use by farmers	D. Wiebe	283-4500	Agriview Management Langham	$ 33,900 (Complete)	(P)
Market Information & Financial Planning 5.1-6					
To investigate the needs for effective use of market information in financial planning by using "Marketing-Management Clubs"	R. Tans	244-8166	Farmwest Management Ltd. Saskatoon	$ 30,700 (Ongoing)	(P)
Homestudy Computer Course 5.1-7					
To develop a homestudy course for farmers on using computers in their farm business	D. Wiebe	283-4500	Agriview Management Langham	$ 15,500 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Crisis Network For Farm Families 5.1-8					
To identify a feasible network of services that could more adequately respond to crisis experienced by farm families	F. Driedger	757-6675	Regina Family Service Bureau	$ 43,500 (Complete)	(F)
Horticulture Information System 5.1-9					
To develop a computerized database information system for horticulture in Saskatchewan	Dr. S. Nelson	966-5862	University of Saskatchewan	$ 10,500 (Complete)	(P)
Micro-computer Training for Farmers 5.1-10					
To sponsor a seminar for farmers to increase their knowledge of computers and promote the use of computers as a management tool	L. Prefontaine	949-9393	Settler Computer Technologies Regina	$ 15,000 (Complete)	(P)
Agricultural Information System 5.1-11					
To set up a community pilot project where publicly accessible computer terminals will test agricultural applications and monitor information needs	D. Wintenko	694-4977	Cartel Electronics Ltd. Moose Jaw	$ 284,400 (Ongoing)	(P)
Farm Safety Video Program 5.1-12					
To revise or replace teaching materials used in the Farm Safety Workshops for Women program	R. Rowley	757-3197	Saskatchewan Safety Council	$ 38,500 (Ongoing)	(P)
Micro-Computer Training 5.1-13					
To continue to support computer training for farmers which helps them make better use of computers as a management tool	G. Blackmore	949-9393	Settler Computer Technologies Regina	$ 9,500 (Complete)	(P)
Machinery Modification for Disabled Farmers 5.1-14					
To collect and document information on machinery modifications or aids used by farmers with physical disabilities	B. Elian	653-1694	Saskatchewan Abilities Council	$ 25,900 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Food Processing Hotline 5.1-15					
To provide professional information on proper food preservation practices and lend market support to the Farmers' Marketing Co-operative	J. Benesh	343-1505	Saskatoon	$ 10,000 (Ongoing)	(P)
Producer Cars & Trackside Loading 5.1-16					
To produce a manual on the use of producer car and/or trackside loading facilities for farmers or farm advisors	B. Cooper	244-8166	Farmwest Management Ltd. Saskatoon	$ 5,000 (Ongoing)	(P)
Crisis Network Description 5.1-17					
To develop a specific plan outlining basic needs and detailing the steps necessary to implement a rural network of family services	F. Driedger	757-4673	Regina Family Service Bureau	$ 18,000 (Ongoing)	(F)
Forage Beef Model 5.1-18					
To computerize current data on nutritive value of forages and how it relates to animal performance under Saskatchewan conditions and use the completed model to develop superior feeding programs	Dr. R. Zentner	773-4621	Agriculture Canada Research Station (Swift Current)	$ 200,000 (Ongoing)	(F)
Agri-Ed Showcase Activity Book 5.1-19					
To produce an activity book to increase youth awareness and appreciation of agriculture in Saskatchewan	V. Hedford	565-0565	Canadian Western Agribition Regina	$ 12,000 (Ongoing)	(P)
Leadership Competency Improvement 5.2-1					
To support Farm Youth Leadership Development Seminars operated through the 4-H program	C. Barnsley	966-5568	University of Saskatchewan	$ 1,000 (Complete)	(P)
Farm Business Management Pilot Project 5.2-2					
To develop a farm business management extension model and provide business training for farmers in Northeast Saskatchewan	A. Blair	752-2351	Northeast Regional Council Tisdale	$ 139,700 (Complete)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Microcomputer Information 5.2-3					
To provide computer training to Saskatchewan Agriculture extension staff	D. Wiebe	223-4500	Agriview Management Langham	$ 20,200 (Complete)	(P)
Upgrading Farm Management Skills 5.2-4					
To provide financial management information to farm business groups	L. Stavness	787-5965	Saskatchewan Agriculture	$ 25,100 (Complete)	(P)
Family Farm Skill Identification and Job Search Techniques 5.2-5					
To provide counselling for farm families making the transition out of agriculture	D. Sutherland	962-4362	D. Sutherland, Eston	$ 5,200 (Complete)	(P)
Agricultural Policy Conference 5.2-6					
To hold policy conferences featuring discussion of current issues with internationally recognized experts	G. Lee	966-4057	University of Saskatchewan	$ 60,000 (Ongoing)	(F)
Technology Transfer Evaluation 5.2-7					
To study the impact and effectiveness of farm management extension services in northeast Saskatchewan	G. Arnott	(204) 857-2552	Glenco Agricultural Consulting Services, Portage La Prairie	$ 6,500 Complete)	(F)
Nature and Extent of Stress in Farm Families 5.2-8					
A pilot project to determine the extent and nature of stress in farm families	E. Burwell	373-3938	E. M. Burwell, Family Management Consultant, Saskatoon	$ 27,600 (Ongoing)	(P)
Farm Employment Needs Study 5.2-10					
To determine the extent of Saskatchewan farmers' needs for farm employees and the skills required	C. Folk	787-5212	Saskatchewan Agriculture	$ 31,000 (Complete)	(P)
Revitalizing Agricultural Societies 5.2-11					
To develop methods to boost community participation in Agricultural Societies	M. Clark	996-3548	Saskatchewan Agricultural Societies Association	$ 30,000 (Complete)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Farming to Win 5.2-12 To foster the development of private farm management services in the province	W. Holt	787-5957	Saskatchewan Agricultural Societies Association	$1,030,000 (Ongoing)	(P)
Farm Finance Transfer Options 5.2-13 A study to evaluate the feasibility and economics of various farm transfer options	Dr. J. Brown	966-4008	University of Saskatchewan	$ 50,000 (Ongoing)	(P)
Women in Local Decision Making 5.2-14 A program to encourage and enable women to participate in local decision making	G. Joyce	966-5553	University of Saskatchewan	$ 10,000 (Ongoing)	(P)
Better Rural Living 5.2-15 To help development of a centrally-delivered stress management program which promotes rural self-help networks	B. Belt	569-4222	Saskatchewan Wheat Pool	$ 18,500 (Ongoing)	(P)
Vendor Financing in Saskatchewan Agriculture 5.2-16 To investigate alternative methods of financing land transfers	A. Sample	244-3166	Farmwest Management Ltd. Saskatoon	$ 27,000 (Ongoing)	(P)
Priority Management for Farm Families 5.2-17 To develop a priorities and time management course for farm managers	B. Cook	343-7700	B. A. Cook & Associates Consultants, Saskatoon	$ 14,400 (Ongoing)	(P)
Domestic Wheat Promotion 5.2-18 To strengthen and promote the expansion of domestic wheat markets in Canada	J. Fernet	586-5866	Western Canadian Wheat Growers' Association	$ 160,000 (Ongoing)	(P)
Self Help Development Unit 5.2-19 To develop information materials and training programs to support or strengthen self-help social services in rural areas	D. Fischer	966-6679	University of Saskatchewan	$ 41,000 (Ongoing)	(P)

PROJECT/PURPOSE	CONTACT	PHONE NO.	SPONSORING ORGANIZATION	COST/LENGTH	FUNDED BY
Economics of Reduced Tillage 5.2-20					
To develop an information package that defines the short run economic implications of minimum and zero tillage systems	Dr. R. Zentner	773-4621	University of Saskatchewan	$ 17,300 (Ongoing)	(P)
Economic Cost of Soil Erosion 5.2-21					
To demonstrate the economic benefits of conserving soil quality and productivity under dryland conditions in the brown soil zone	Dr. R. Zentner	773-4621	University of Saskatchewan	$ 32,400 (Ongoing)	(P)
Saskatchewan Wheat Pool Technology Transfer 5.2-22					
To develop innovative technology transfer processes that will improve production expertise among pea growers in North-east Saskatchewan	Mr. R. Morgan	343-8294	Saskatchewan Wheat Pool	$ 95,000 (Ongoing)	(F)
Advanced Community Leadership Instruction 5.2-23					
To conduct rural community leadership workshops	Dr. H. Baker	966-5591	Saskatchewan Committee on Rural Area Development	$ 20,000 (Ongoing)	(P)
Production Clubs 5.2-24					
To determine the role of production clubs and associations in the technology transfer process	Dr. G. Hass	966-5550	University of Saskatchewan	$ 11,100 (Ongoing)	(P)